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## RAW SEQUENCE LISTING

DATE: 08/16/2004

PATENT APPLICATION: US/10/791,814

TIME: 09:08:55

Input Set : A:\2004-08-10 2121-0180P.ST25.txt

Output Set: N:\CRF4\08162004\J791814.raw

3 <110> APPLICANT: GUY, GOROCHOV ET AL.

5 <120> TITLE OF INVENTION: METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF  
CHEMOKINE VARIANTS

7 <130> FILE REFERENCE: 2121-0180P

9 <140> CURRENT APPLICATION NUMBER: US 10/791,814

10 <141> CURRENT FILING DATE: 2004-03-04

12 <150> PRIOR APPLICATION NUMBER: US 09/945,665

13 <151> PRIOR FILING DATE: 2001-09-05

15 <150> PRIOR APPLICATION NUMBER: PCT/EP 02/11045

16 <151> PRIOR FILING DATE: 2002-09-05

18 <160> NUMBER OF SEQ ID NOS: 38

20 <170> SOFTWARE: PatentIn version 3.1

22 <210> SEQ ID NO: 1

23 <211> LENGTH: 10

24 <212> TYPE: PRT

25 <213> ORGANISM: Unknown

27 <220> FEATURE:

28 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning  
strategy (mammalian)

30 <400> SEQUENCE: 1

32 Leu Ser Pro Val Ser Ser Gln Ser Ser Ala

33 1 5 10

36 <210> SEQ ID NO: 2

37 <211> LENGTH: 10

38 <212> TYPE: PRT

39 <213> ORGANISM: Unknown

41 <220> FEATURE:

42 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning  
strategy (mammalian)

44 <400> SEQUENCE: 2

46 Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala

47 1 5 10

50 <210> SEQ ID NO: 3

51 <211> LENGTH: 10

52 <212> TYPE: PRT

53 <213> ORGANISM: Unknown

55 <220> FEATURE:

56 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning  
strategy (mammalian)

58 <400> SEQUENCE: 3

60 Leu Ser Pro Met Ser Ser Gln Ser Pro Ala

61 1 5 10

64 <210> SEQ ID NO: 4

65 <211> LENGTH: 10



66 <212> TYPE: PRT  
67 <213> ORGANISM: Unknown  
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
72 <400> SEQUENCE: 4
74 Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
75 1 5 10
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 10
80 <212> TYPE: PRT
81 <213> ORGANISM: Unknown
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
86 <400> SEQUENCE: 5
88 Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
89 1 5 10
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 10
94 <212> TYPE: PRT
95 <213> ORGANISM: Unknown
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
100 <400> SEQUENCE: 6
102 Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
103 1 5 10
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 10
108 <212> TYPE: PRT
109 <213> ORGANISM: Unknown
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
114 <400> SEQUENCE: 7
116 Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
117 1 5 10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 10
122 <212> TYPE: PRT
123 <213> ORGANISM: Unknown
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
128 <400> SEQUENCE: 8
130 Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
131 1 5 10
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 10
136 <212> TYPE: PRT
137 <213> ORGANISM: Unknown
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
142 <400> SEQUENCE: 9

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144 Arg Ser Pro Met Ser Ser Gln Ser Ser Pro  
145 1 5 10

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148 <210> SEQ ID NO: 10
149 <211> LENGTH: 10
150 <212> TYPE: PRT
151 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
156 <400> SEQUENCE: 10
158 Tyr Ser Pro Ser Ser Leu Ala Pro Ala
159 1          5          10
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
170 <400> SEQUENCE: 11
172 Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
173 1          5          10
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Unknown
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
184 <400> SEQUENCE: 12
186 Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
187 1          5          10
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 10
192 <212> TYPE: PRT
193 <213> ORGANISM: Unknown
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
198 <400> SEQUENCE: 13
200 Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
201 1          5          10
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Unknown
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
212 <400> SEQUENCE: 14
214 Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
215 1          5          10
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 10
220 <212> TYPE: PRT

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221 <213> ORGANISM: Unknown

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223 &lt;220&gt; FEATURE:

224 &lt;223&gt; OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

226 &lt;400&gt; SEQUENCE: 15

228 Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala

229 1 5 10

232 &lt;210&gt; SEQ ID NO: 16

233 &lt;211&gt; LENGTH: 10

234 &lt;212&gt; TYPE: PRT

235 &lt;213&gt; ORGANISM: Unknown

237 &lt;220&gt; FEATURE:

238 &lt;223&gt; OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

240 &lt;400&gt; SEQUENCE: 16

242 Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala

243 1 5 10

246 &lt;210&gt; SEQ ID NO: 17

247 &lt;211&gt; LENGTH: 10

248 &lt;212&gt; TYPE: PRT

249 &lt;213&gt; ORGANISM: Unknown

251 &lt;220&gt; FEATURE:

252 &lt;223&gt; OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

254 &lt;400&gt; SEQUENCE: 17

256 Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro

257 1 5 10

260 &lt;210&gt; SEQ ID NO: 18

261 &lt;211&gt; LENGTH: 10

262 &lt;212&gt; TYPE: PRT

263 &lt;213&gt; ORGANISM: Unknown

265 &lt;220&gt; FEATURE:

266 &lt;223&gt; OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)

268 &lt;400&gt; SEQUENCE: 18

270 Phe Ser Ser Val Ser Ser Gln Ser Ser Ser

271 1 5 10

274 &lt;210&gt; SEQ ID NO: 19

275 &lt;211&gt; LENGTH: 9

276 &lt;212&gt; TYPE: PRT

277 &lt;213&gt; ORGANISM: Artificial sequence

279 &lt;220&gt; FEATURE:

280 &lt;223&gt; OTHER INFORMATION: tag HA 1.1 peptide sequence

283 &lt;400&gt; SEQUENCE: 19

285 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala

286 1 5

290 &lt;210&gt; SEQ ID NO: 20

291 &lt;211&gt; LENGTH: 39

292 &lt;212&gt; TYPE: DNA

293 &lt;213&gt; ORGANISM: Artificial sequence

295 &lt;220&gt; FEATURE:

296 &lt;223&gt; OTHER INFORMATION: PCR downstream primer

298 &lt;400&gt; SEQUENCE: 20

299 tggggccct ctagacatct ccaaagagtt gatgtactc

39

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TIME: 09:08:55

Input Set : A:\2004-08-10 2121-0180P.ST25.txt

Output Set: N:\CRF4\08162004\J791814.raw

302 <210> SEQ ID NO: 21  
 303 <211> LENGTH: 99  
 304 <212> TYPE: DNA  
 305 <213> ORGANISM: Artificial sequence  
 307 <220> FEATURE:  
 308 <223> OTHER INFORMATION: PCR upstream primer  
 310 <220> FEATURE:  
 311 <221> NAME/KEY: Unsure  
 312 <222> LOCATION: (25)..(25)  
 313 <223> OTHER INFORMATION: n = a, t, c or g  
 315 <220> FEATURE:  
 316 <221> NAME/KEY: misc\_feature  
 317 <222> LOCATION: (25)..(26)  
 318 <223> OTHER INFORMATION: n is a, c, g, or t  
 320 <220> FEATURE:  
 321 <221> NAME/KEY: misc\_feature  
 322 <222> LOCATION: (31)..(31)  
 323 <223> OTHER INFORMATION: n is a, c, g, or t  
 325 <220> FEATURE:  
 326 <221> NAME/KEY: misc\_feature  
 327 <222> LOCATION: (34)..(35)  
 328 <223> OTHER INFORMATION: n is a, c, g, or t  
 330 <220> FEATURE:  
 331 <221> NAME/KEY: misc\_feature  
 332 <222> LOCATION: (43)..(44)  
 333 <223> OTHER INFORMATION: n is a, c, g, or t  
 335 <220> FEATURE:  
 336 <221> NAME/KEY: misc\_feature  
 337 <222> LOCATION: (46)..(46)  
 338 <223> OTHER INFORMATION: n is a, c, g, or t  
 340 <220> FEATURE:  
 341 <221> NAME/KEY: misc\_feature  
 342 <222> LOCATION: (49)..(49)  
 343 <223> OTHER INFORMATION: n is a, c, g, or t  
 345 <220> FEATURE:  
 346 <221> NAME/KEY: misc\_feature  
 347 <222> LOCATION: (52)..(52)  
 348 <223> OTHER INFORMATION: n is a, c, g, or t  
 350 <400> SEQUENCE: 21

W--> 351 ctgcgagccc agccggccat ggccnktcc ncanntcct cgnnkncnc anccgtctgc 60  
 353 ttgcctaca ttgcgagccc gctgccccgt gccacatc 99

357 <210> SEQ ID NO: 22  
 358 <211> LENGTH: 10  
 359 <212> TYPE: PRT  
 360 <213> ORGANISM: Unknown  
 362 <220> FEATURE:  
 363 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning strategy (mammalian)  
 365 <400> SEQUENCE: 22  
 367 Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala



RAW SEQUENCE LISTING ERROR SUMMARY  
 PATENT APPLICATION: US/10/791,814

DATE: 08/16/2004  
 TIME: 09:08:56

Input Set : A:\2004-08-10 2121-0180P.ST25.txt  
 Output Set: N:\CRF4\08162004\J791814.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 25,26,31,34,35,43,44,46,49,52  
 Seq#:24; Xaa Pos. 1,3,4,8,9,10  
 Seq#:25; Xaa Pos. 4  
 Seq#:26; Xaa Pos. 8  
 Seq#:28; Xaa Pos. 1,3,4,7,8,9,10  
 Seq#:29; Xaa Pos. 4  
 Seq#:37; Xaa Pos. 7  
 Seq#:38; Xaa Pos. 10

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,28  
 Seq#:2; Line(s) 42  
 Seq#:3; Line(s) 56  
 Seq#:4; Line(s) 70  
 Seq#:5; Line(s) 84  
 Seq#:6; Line(s) 98  
 Seq#:7; Line(s) 112  
 Seq#:8; Line(s) 126  
 Seq#:9; Line(s) 140  
 Seq#:10; Line(s) 154  
 Seq#:11; Line(s) 168  
 Seq#:12; Line(s) 182  
 Seq#:13; Line(s) 196  
 Seq#:14; Line(s) 210  
 Seq#:15; Line(s) 224  
 Seq#:16; Line(s) 238  
 Seq#:17; Line(s) 252  
 Seq#:18; Line(s) 266  
 Seq#:22; Line(s) 363  
 Seq#:23; Line(s) 377

VERIFICATION SUMMARY

DATE: 08/16/2004

PATENT APPLICATION: US/10/791,814

TIME: 09:08:56

Input Set : A:\2004-08-10 2121-0180P.ST25.txt

Output Set: N:\CRF4\08162004\J791814.raw

L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0